Almanac Monthly - Global - v3

Domain Portfolio: Lifestyle | Domain: Lifestyle | Usage Classification: Standard

Geography: Global **Attribution Required:** No **Attribution Requirements:** N/A

Overview

The Almanac API is a public API. The almanac information for this API is sourced from National Weather Service observations stations from a time period spanning 10 to 30 years or more. The information is gathered and provided by the National Climatic Data Center (NCDC) and is re-distributed to all TWC platforms.

HTTP Headers and Data Lifetime - Caching and Expiration

For details on appropriate header values as well as caching and expiration definitions, please see **The Weather Company Data | API Common Usage Guide**.

Atomic Endpoints	Aggregate Product Names
v3/wx/almanac/monthly/1month	v3-wx-almanac-monthly-1month
v3/wx/almanac/monthly/3month	v3-wx-almanac-monthly-3month
v3/wx/almanac/monthly/6month	v3-wx-almanac-monthly-6month

URL Construction

*Note:

- **month** is a required parameter for the '1month' endpoint. **startMonth** is a required parameter for '3month' and '6month' endpoints.

Request by Geocode: Required Parameters: geocode, units, format, startMonth **or** month, apiKey* https://api.weather.com/v3/wx/almanac/monthly/3month?**geocode=<geocode>**&format=<format>&units=<units>&startMonth=<startMonth>&apiKey**=yourApiKey**
https://api.weather.com/v3/wx/almanac/monthly/3month?**geocode=34,-84**&format=json&units=h&startMonth=12&apiKey**=yourApiKey**
Request by IATA Code: Required Parameters: iataCode, units, format, startMonth (month for 1 month endpoint), apiKey* https://api.weather.com/v3/wx/almanac/monthly/3month?**iataCode=<iataCode>**&format=<format>&units=<units>&startMonth=<startMonth>&apiKey**=yourApiKey**
https://api.weather.com/v3/wx/almanac/monthly/3month?**iataCode=DEN**&format=json&units=h&startMonth=12&apiKey**=yourApiKey**
Request by ICAO Code: Required Parameters: icaoCode, units, format, startMonth **or** month, apiKey* https://api.weather.com/v3/wx/almanac/monthly/3month?**icaoCode=<icaoCode>**&format=<format>&units=<units>&startMonth=<startMonth>&apiKey**=yourApiKey**
https://api.weather.com/v3/wx/almanac/monthly/3month?**icaoCode=KDEN**&format=json&units=h&startMonth=12&apiKey**=yourApiKey**
Request by Place ID: Required Parameters: placeid, units, format, startMonth **or** month, apiKey*

https://api.weather.com/v3/wx/almanac/monthly/3month?**placeid=<placeid>**&format=<format>&units=<units>&startMonth=<startMonth>&apiKey**=yourApiKey**
https://api.weather.com/v3/wx/almanac/monthly/3month?**placeid=ee0214ae7fb1d265f3e4d2509e77557119b2cac9d0ac1013b593c74a1567f2b7**&format=json&units=h&startMonth=12&apiKey**=yourApiKey**
Request by Postal Key: Required Parameters: postalKey, units, format, startMonth **or** month, apiKey* https://api.weather.com/v3/wx/almanac/monthly/3month?**postalKey=<postalKey>**&format=<format>&units=<units>&startMonth=<startMonth>&apiKey**=yourApiKey**
https://api.weather.com/v3/wx/almanac/monthly/3month?**postalKey=81657:US**&format=json&units=h&startMonth=12&apiKey**=yourApiKey**

Valid Parameter Definitions

Parameter Name	Valid Parameter Value	Description
month	any valid month of the year, range 1-12, 1 Month data return	any valid month of the year, range 1-12
startMonth	any valid month of the year, range 1-12	any valid month of the year, range 1-12

Data Elements & Definitions

Note: Field names are sorted alphabetically in the table below for presentation purposes. The table below does not represent the sort order of the API response.

Field Name	Description	Type	Range	Sample	Nulls Allowed
almanac		array			
almanacInterval	Defines the time interval the data was recorded: as a daily value, a monthly value, or an annual value; an average for the entire data set.	[string]	-	D	N
almanacRecordDate	Date of the Almanac record	[ISO]	-	1231	N
almanacRecordPeriod	Number of years compiling records	[integer]	-	30	Y
almanacRecordYearMax	The Year that high was recorded	[ISO]	-	1984	Y
almanacRecordYearMin	The Year that low was recorded	[ISO]	-	1983	Y
precipitationAverage	The Average Precipitation amount to two decimal points of specificity	[decimal]	-	0.16	Y
snowAccumulationAverage	The Average Snow accumulation to one decimal point of specificity	[decimal]	-	2.8	Y
stationId	Unique identifier for a reporting station	[string]	-	93271	N
stationName	The common name of the reporting station. The station name, usually a city or airport location, for a unique station Id. In some cases, the reporting station is not located in the city itself but in nearby locations such as military bases or official reporting facility.	[string]	-	VAIL	Y
temperatureAverageMax	The Average High temperature	[integer]	-	54	Y
temperatureAverageMin	The Average Low temperature	[integer]	-	32	Y
temperatureMean	The Mean Temperature for the period	[integer]	-	43	Y
temperatureRecordMax	The Record High for the day	[integer]	-	75	Y
temperatureRecordMin	The Record Low for the day	[integer]	-	11	Y

JSON Sample

```
// Response Collapsed for Presentation Purposes
{
        almanacInterval:
        [
                "M"
        ],
        almanacRecordDate:
        [
                "1201"
        ],
        almanacRecordPeriod:
        [
                30
        ],
        almanacRecordYearMax:
        [
                1987
        ],
        almanacRecordYearMin:
        [
                1986
        ],
        precipitationAverage:
        [
                41.4
        ],
        snowAccumulationAverage:
        [
                74.2
        ],
        stationId:
        [
                "058575"
        ],
        stationName:
        [
                "VAIL"
        ],
        temperatureAverageMax:
        [
                -3
        ],
        temperatureAverageMin:
        [
                -14
        ],
        temperatureMean:
        [
```

```
                -8
        ],
        temperatureRecordMax:
        [
                11
        ],
        temperatureRecordMin:
        [
                -30
        ]
}
```